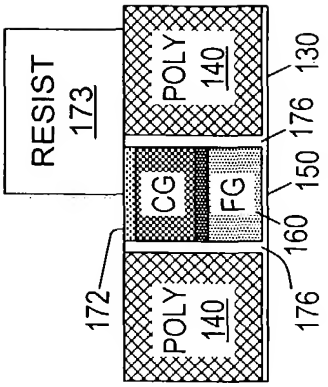


FIG. 3
PRIOR ART

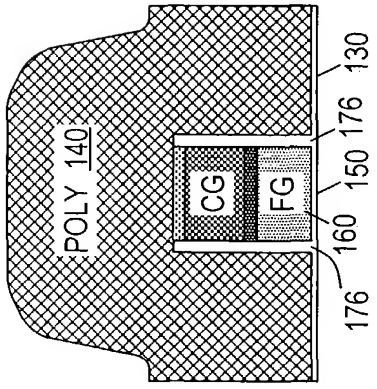


FIG. 2
PRIOR ART

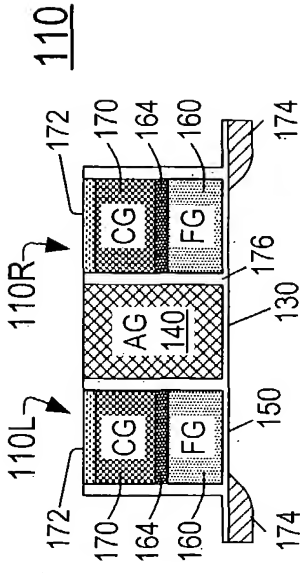


FIG. 5
PRIOR ART

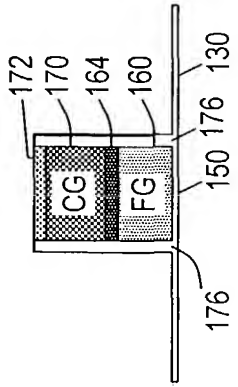


FIG. 1
PRIOR ART

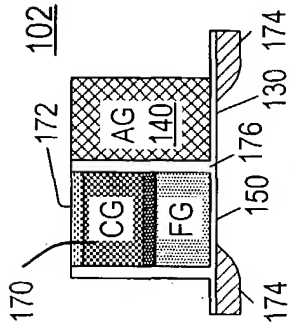


FIG. 4
PRIOR ART

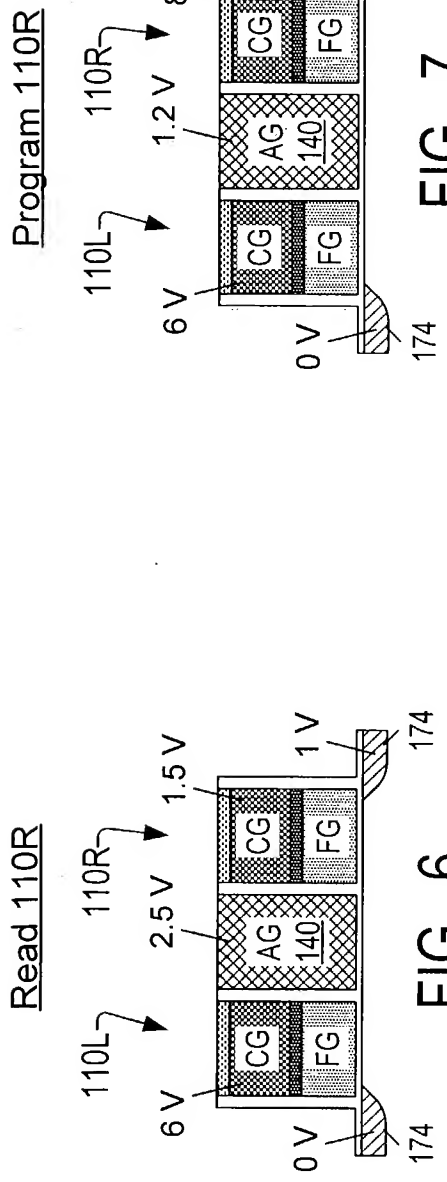


FIG. 6
PRIOR ART

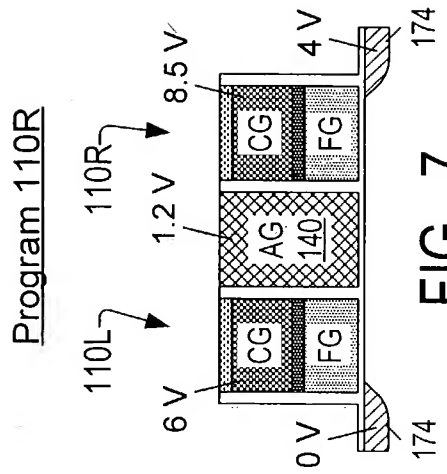


FIG. 7
PRIOR ART

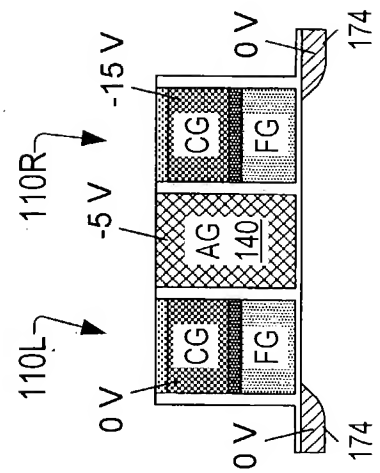


FIG. 8
PRIOR ART

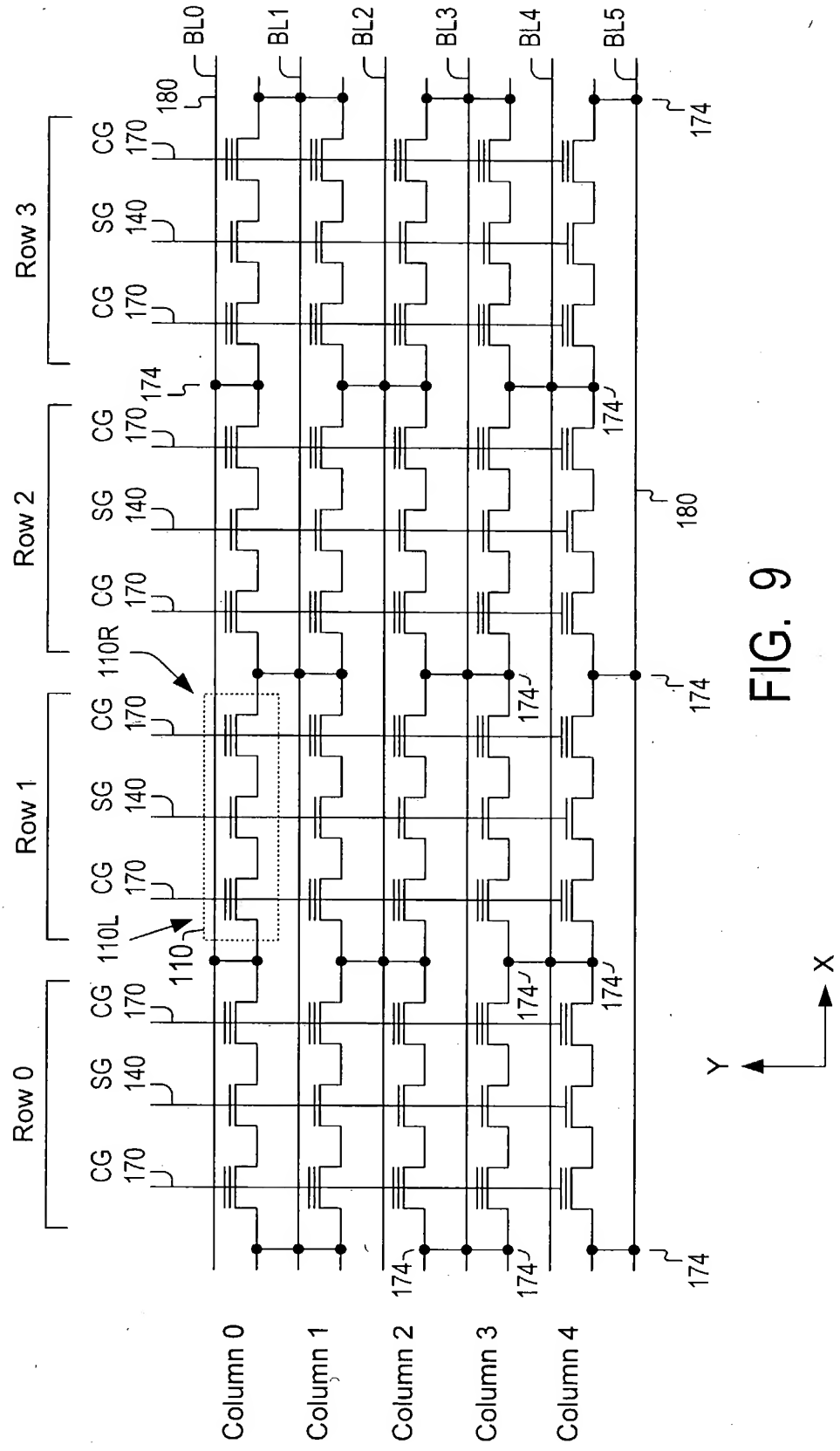

BL0
BL1
BL2
BL3
BL4
BL5
Row 0
Row 1
Row 2
Row 3
CG
SG
170
140
180
174
110
110L
110R
Column 0
Column 1
Column 2
Column 3
Column 4
Y
X

FIG. 9

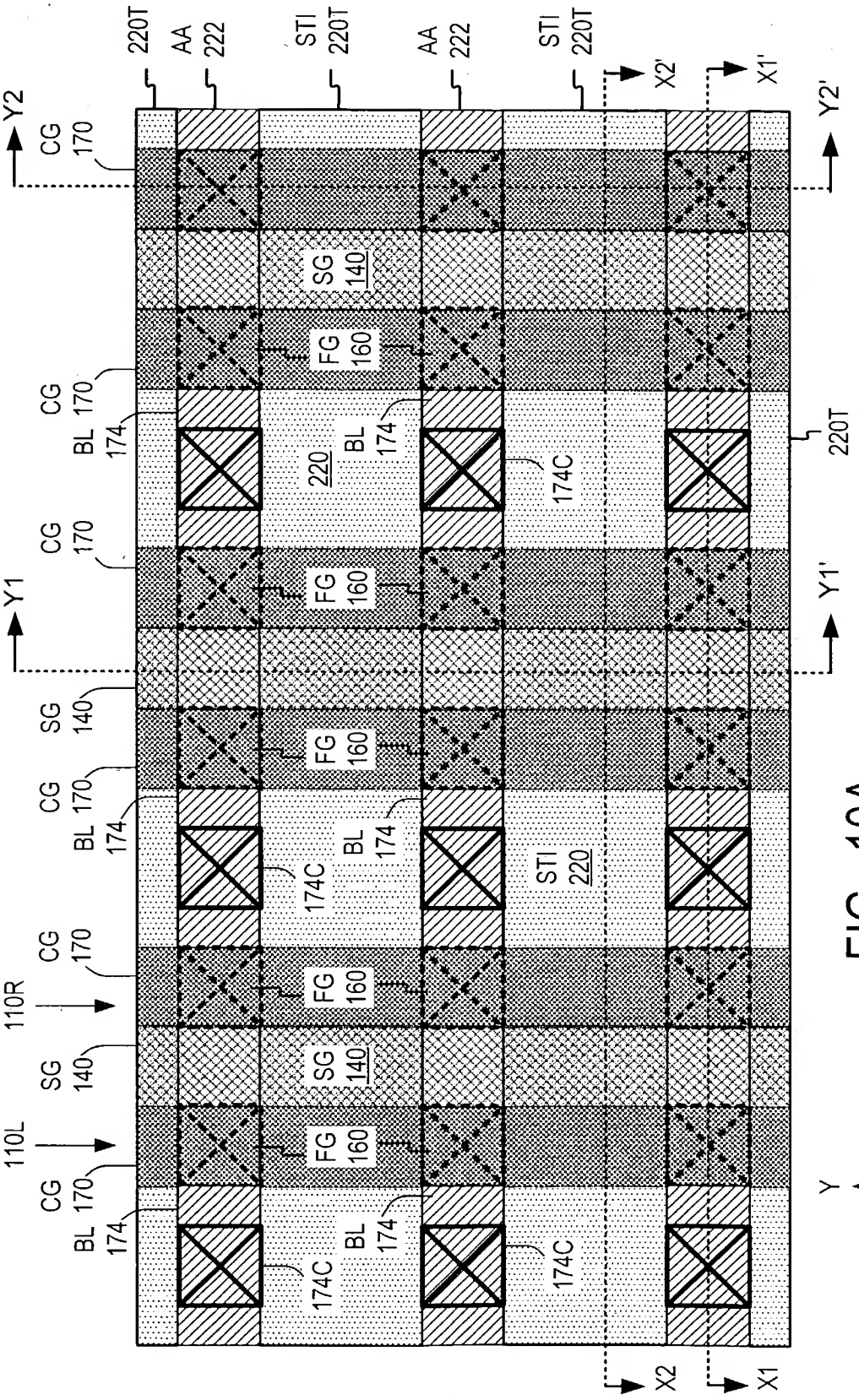

220T
AA
222
STI
220T
AA
222
STI
220T
X2'
X1'
Y2
Y2'
CG
170
SG
140
FG
160
BL
174
220
174C
220T
Y1
Y1'
110R
110L
STI
220
X2
X1
X
Y

FIG. 10A

FIG. 10B

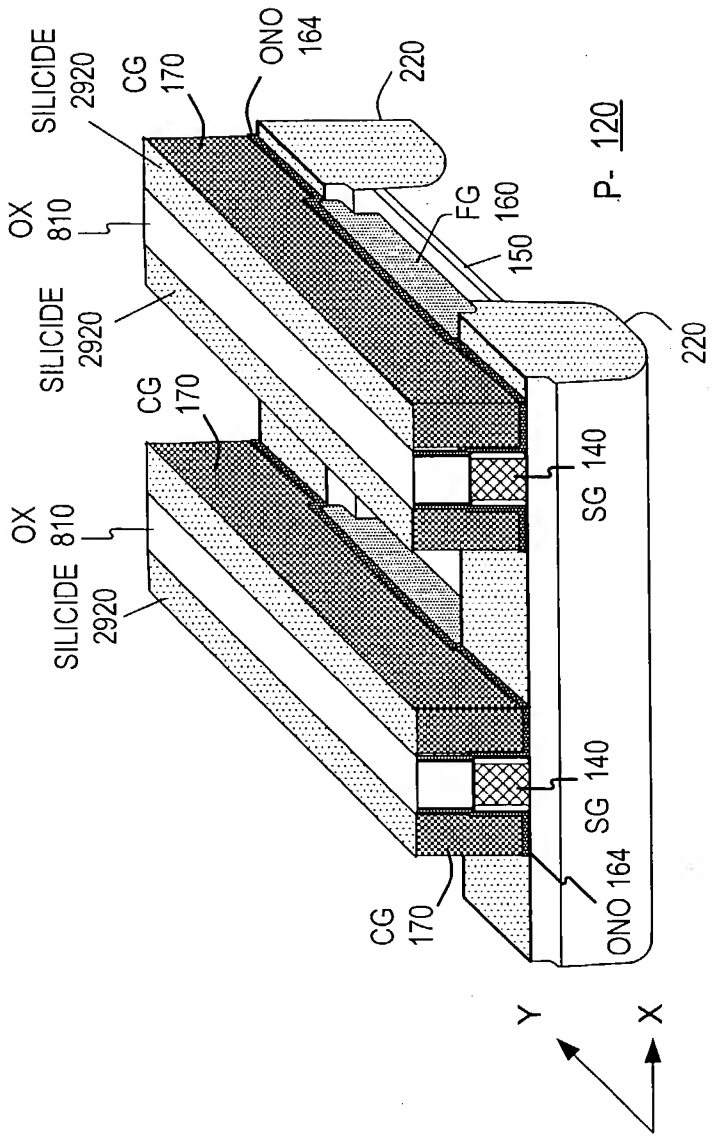

SILICIDE 2920
CG 170
ONO 164
220
OX 810
FG 160
150
P- 120
SILICIDE 2920
CG 170
220
OX 810
SG 140
SILICIDE 2920
SG 140
CG 170
ONO 164
Y
X

FIG. 11 (Y1-Y1`)

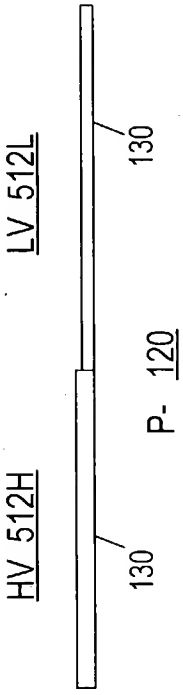
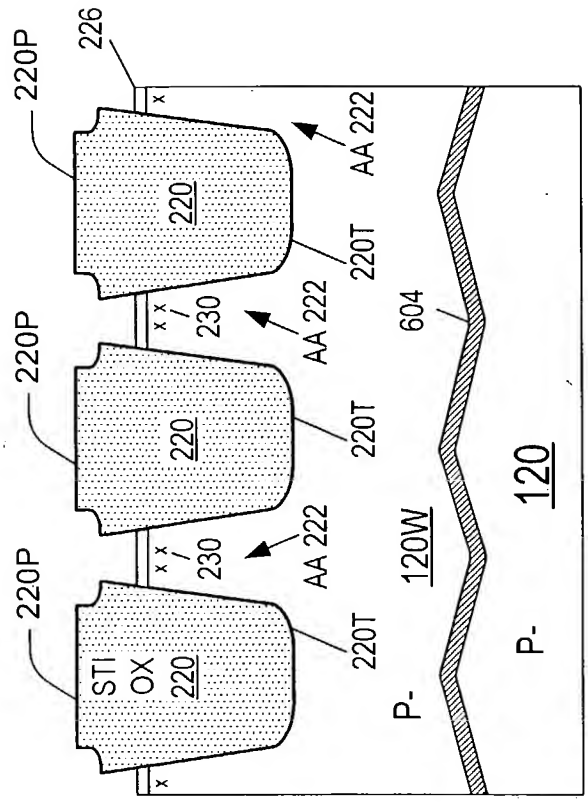


FIG. 12B
(PERIPHERY)



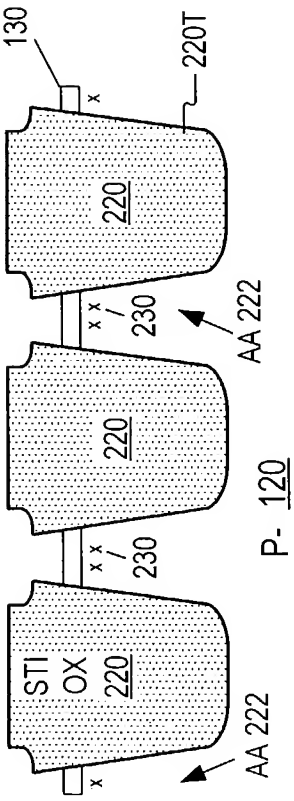


FIG. 12A (Y1-Y1')

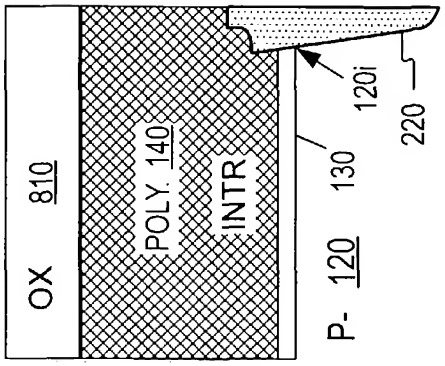


FIG. 13B
(PERIPHERY)

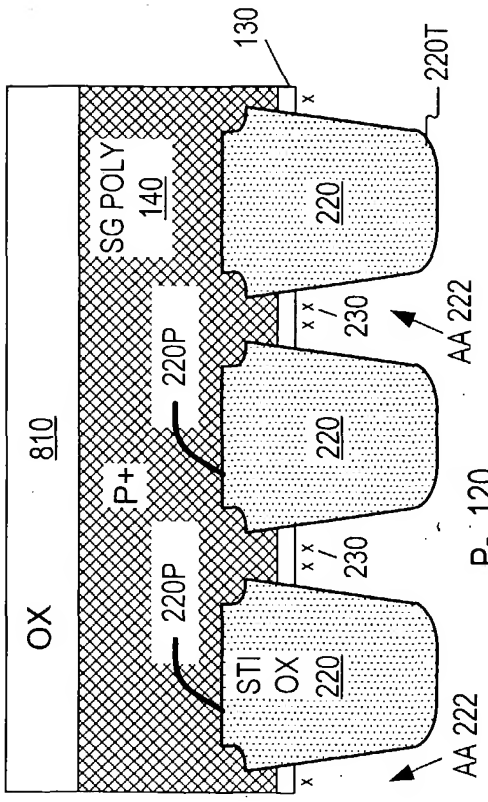


FIG. 13A (Y1-Y1`)

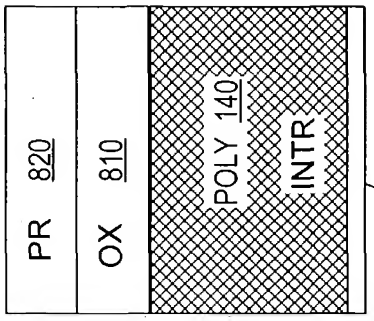


FIG. 14B
(PERIPHERY)

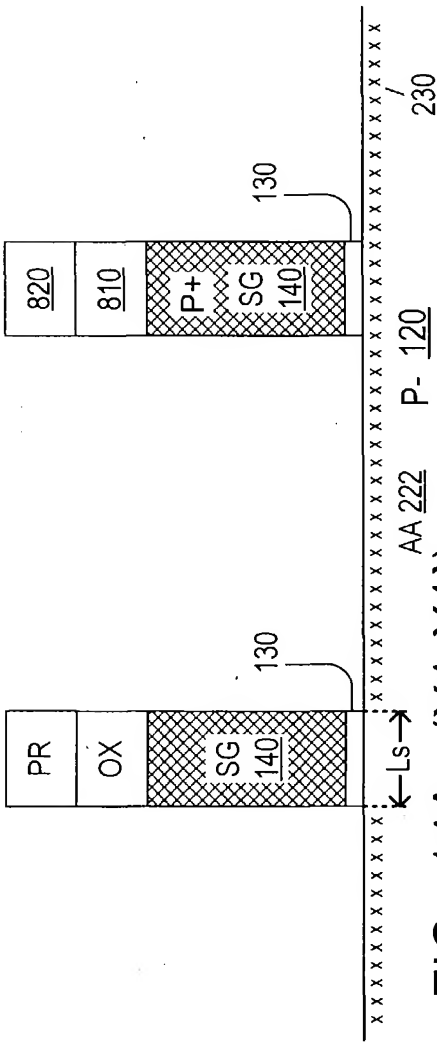


FIG. 14A (X1-X1`)

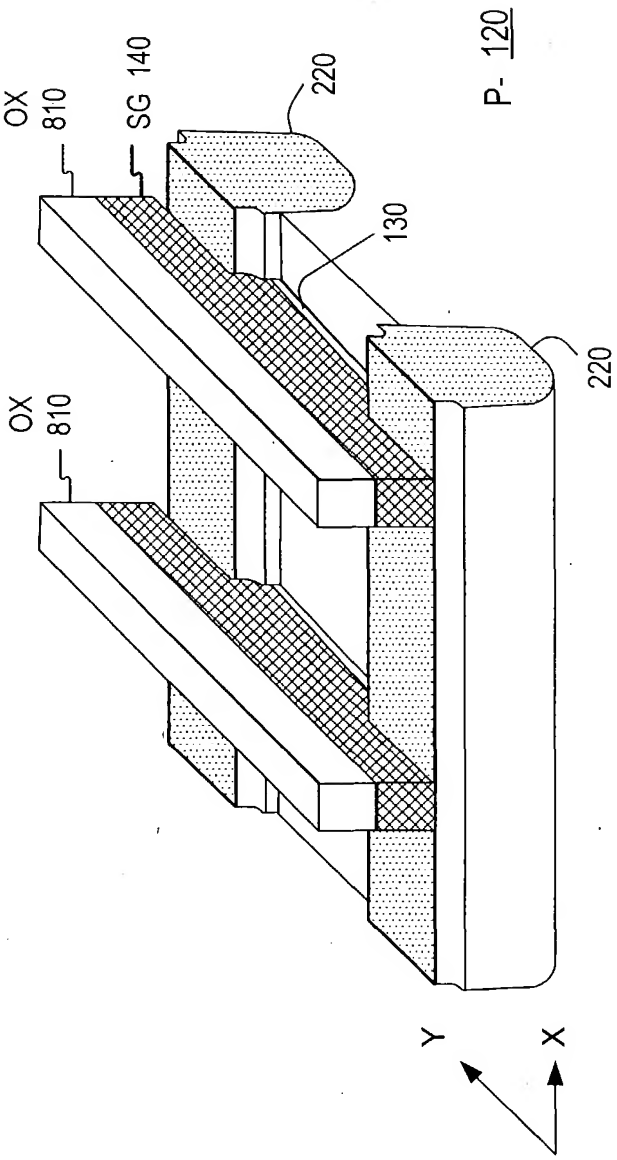


FIG. 15

FIG. 16
(X1-X1`)

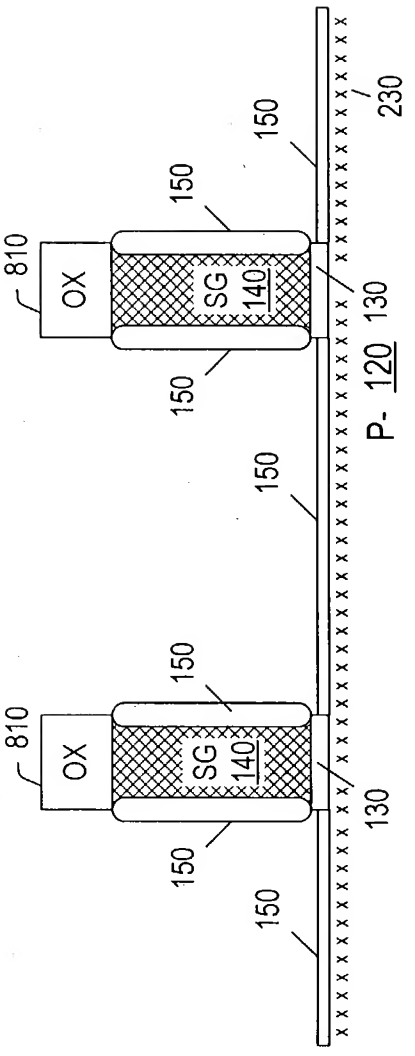


FIG. 17
(X1-X1`)

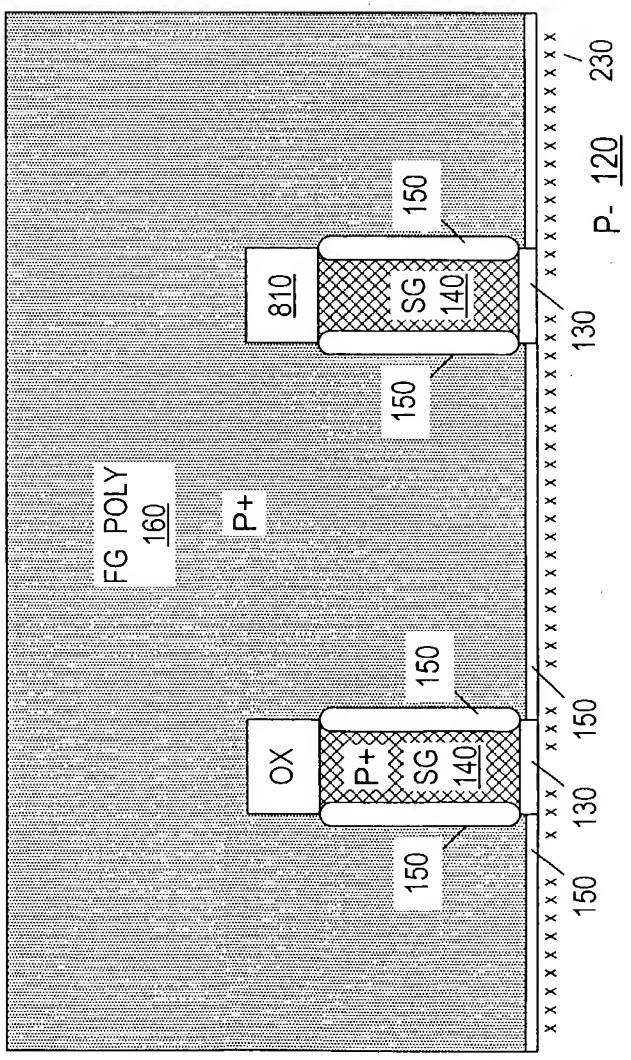


FIG. 18
(X1-X1`)

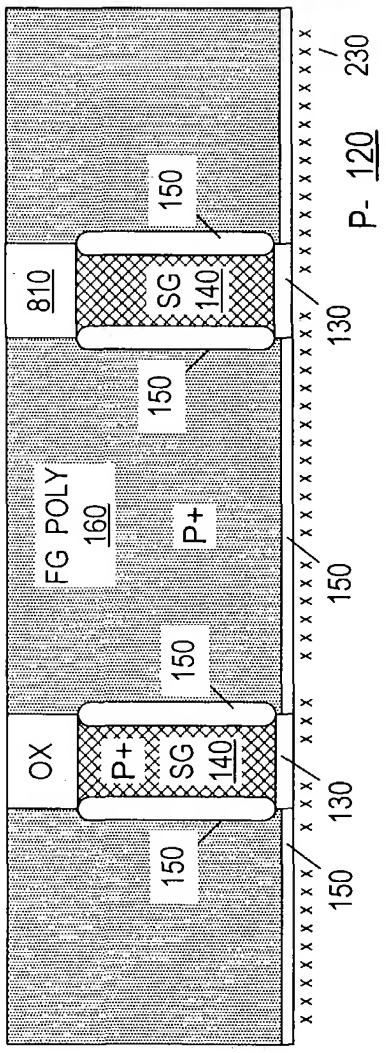


FIG. 19A
(X1-X1`)

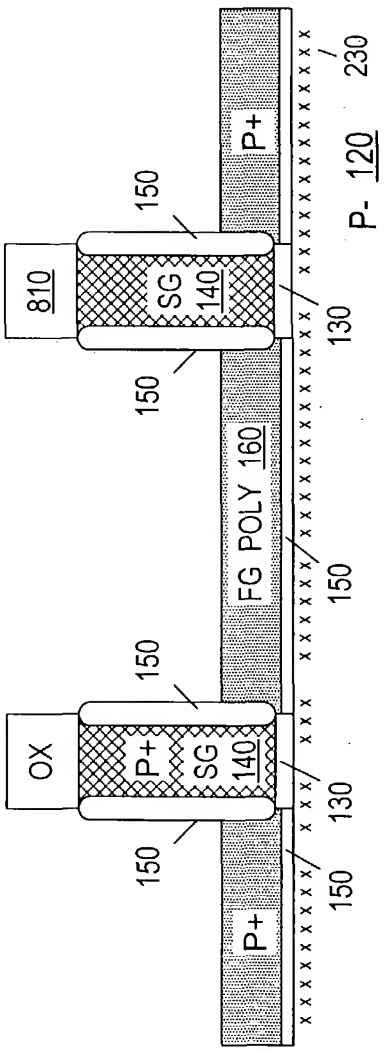


FIG. 19B
(Y2-Y2')

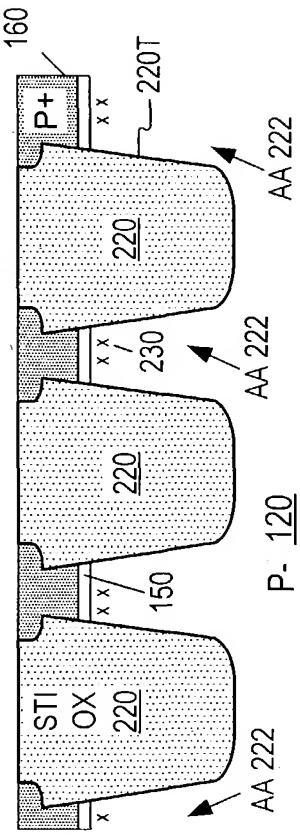
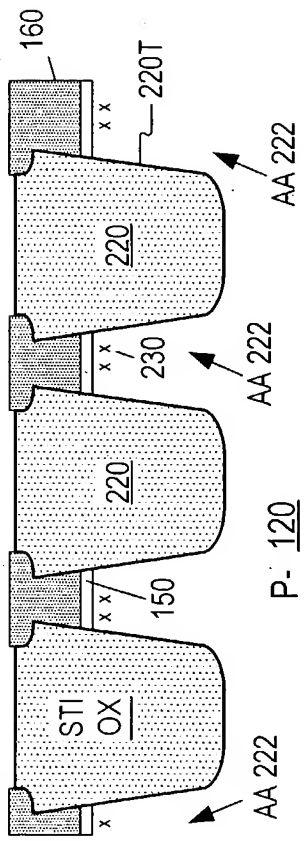


FIG. 20A
(Y2-Y2')



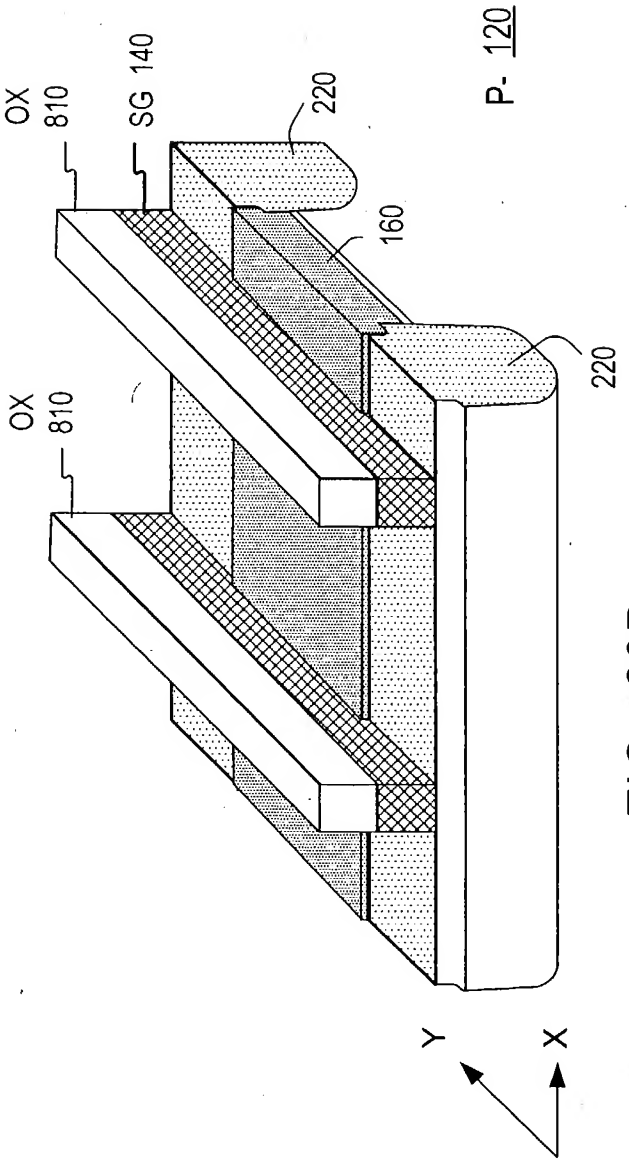


FIG. 20B

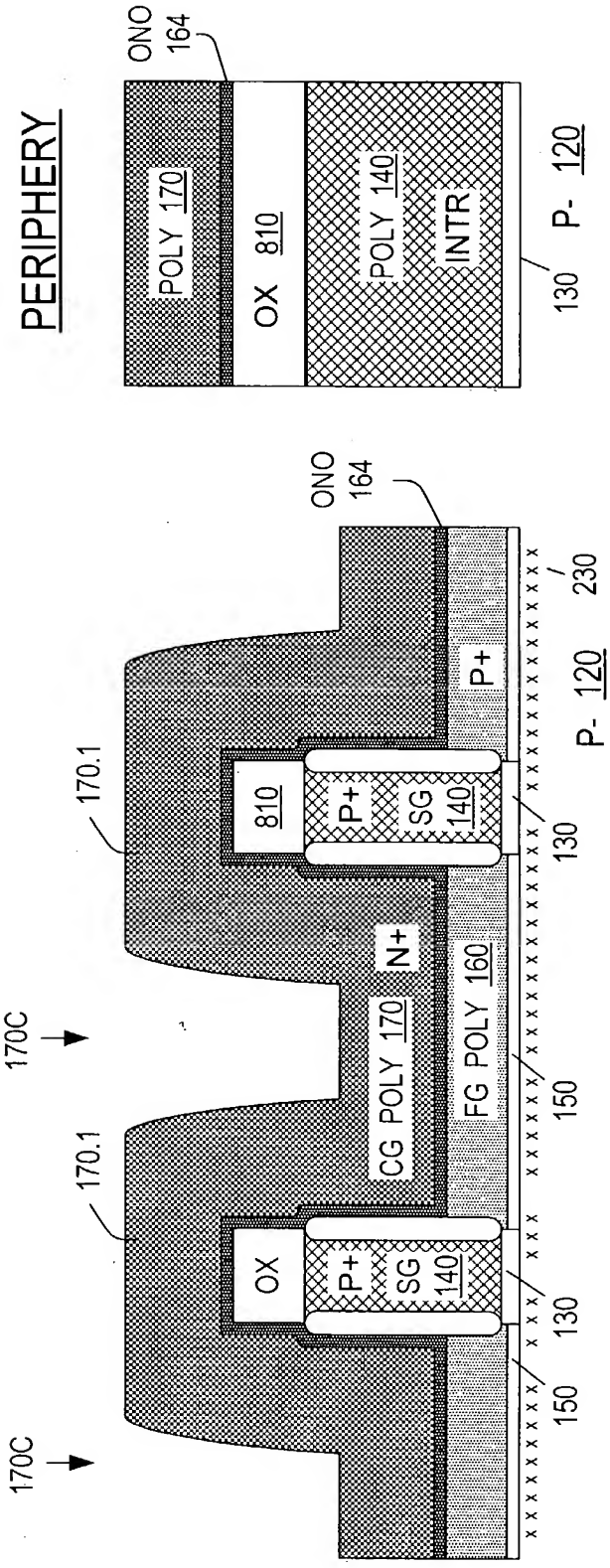


FIG. 21A (X1-X1`)

FIG. 21B

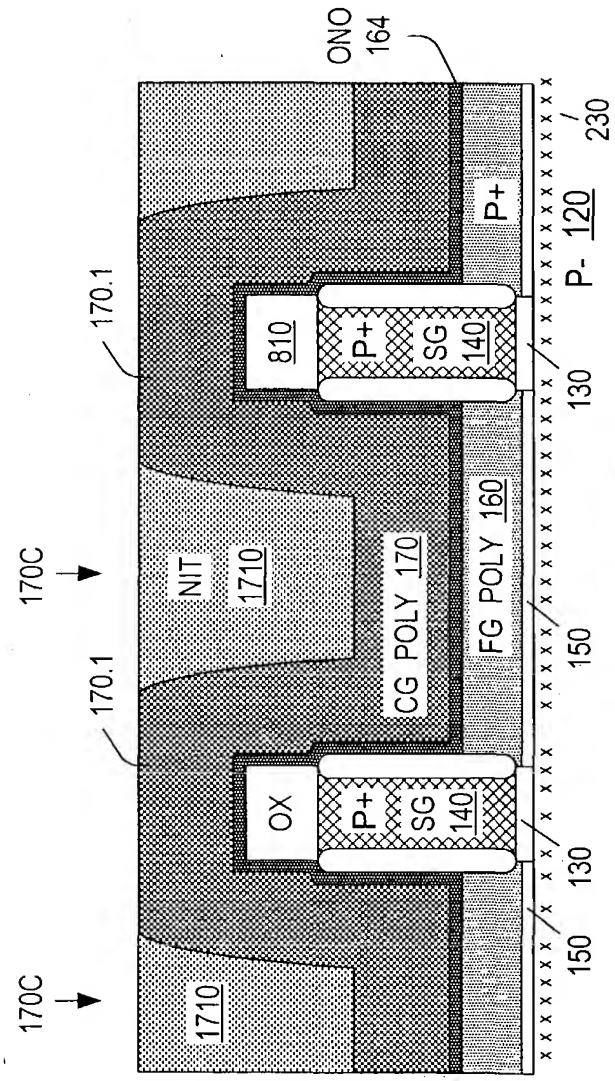


FIG. 22
(X1-X1`)

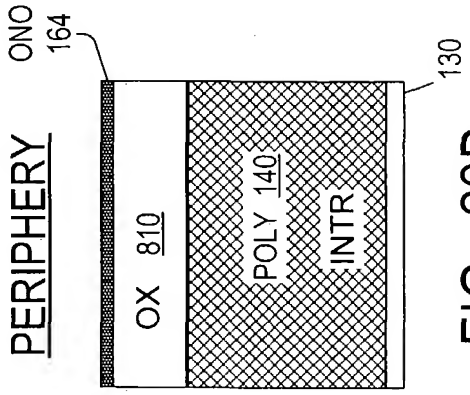


FIG. 23B

FIG. 23A (X1-X1`)

FIG. 24
(X1-X1`)

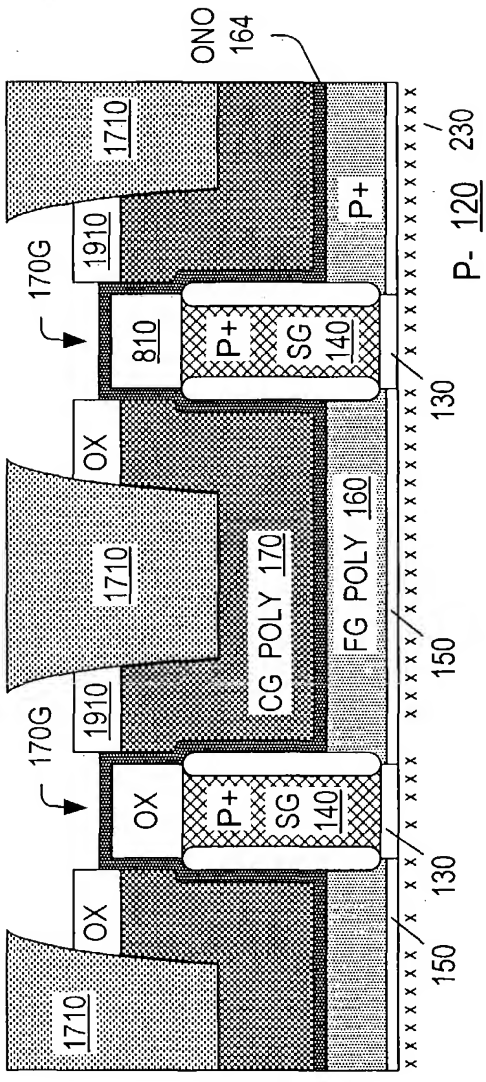
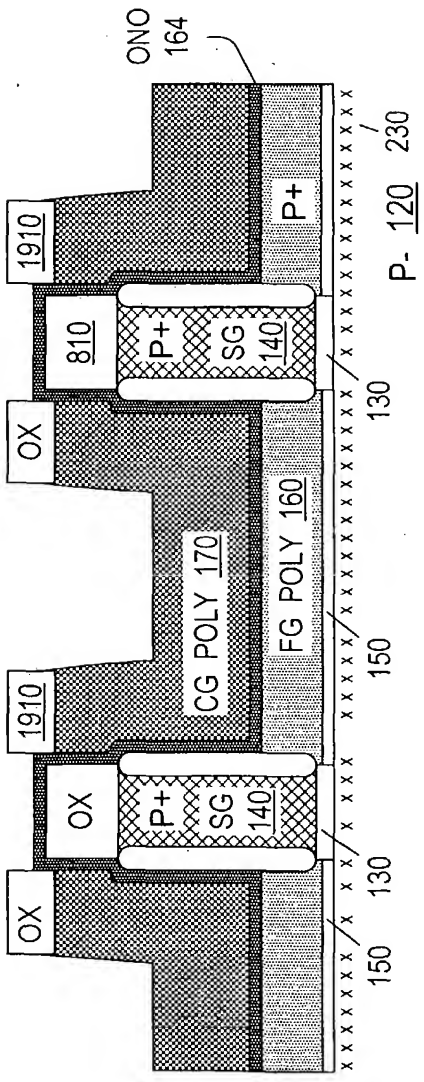


FIG. 25
(X1-X1`)



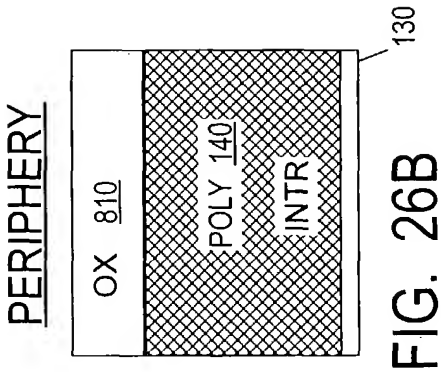


FIG. 26B

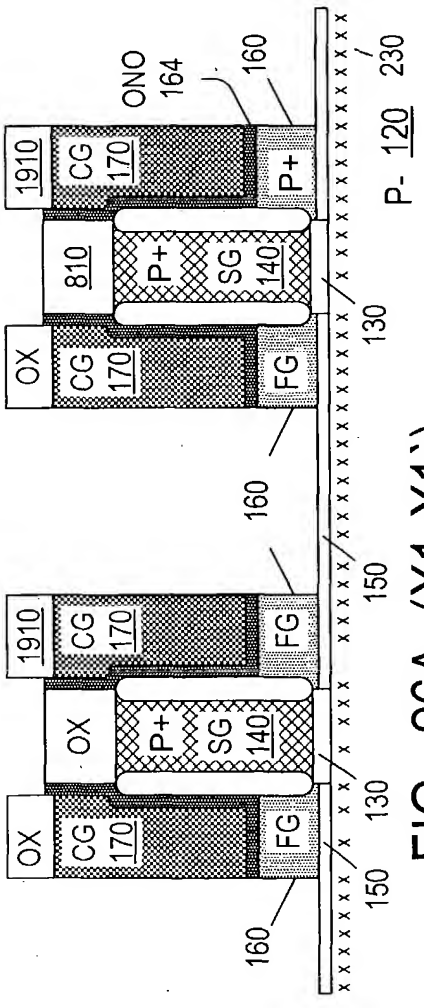
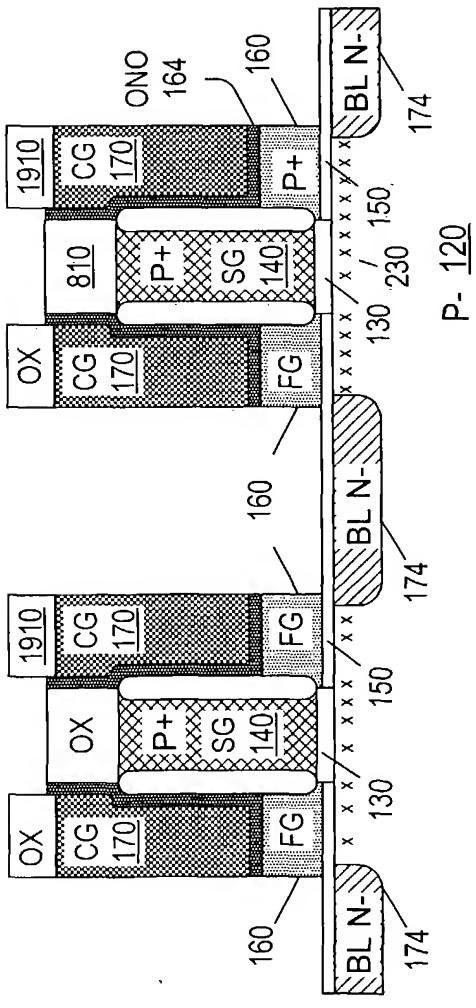


FIG. 26A (X1-X1`)

FIG. 27A (X1-X1`)



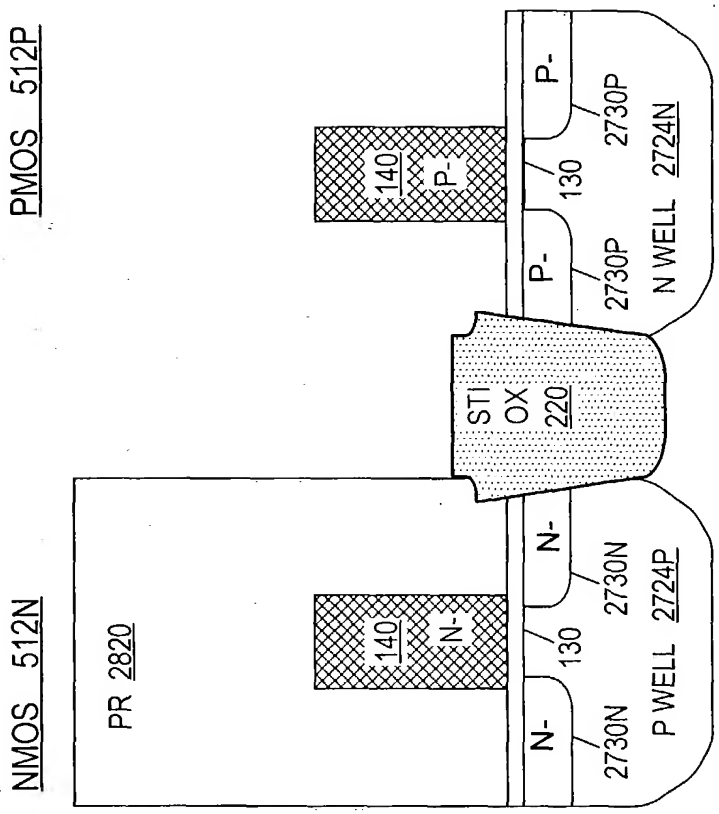


FIG. 28
(PERIPHERY)

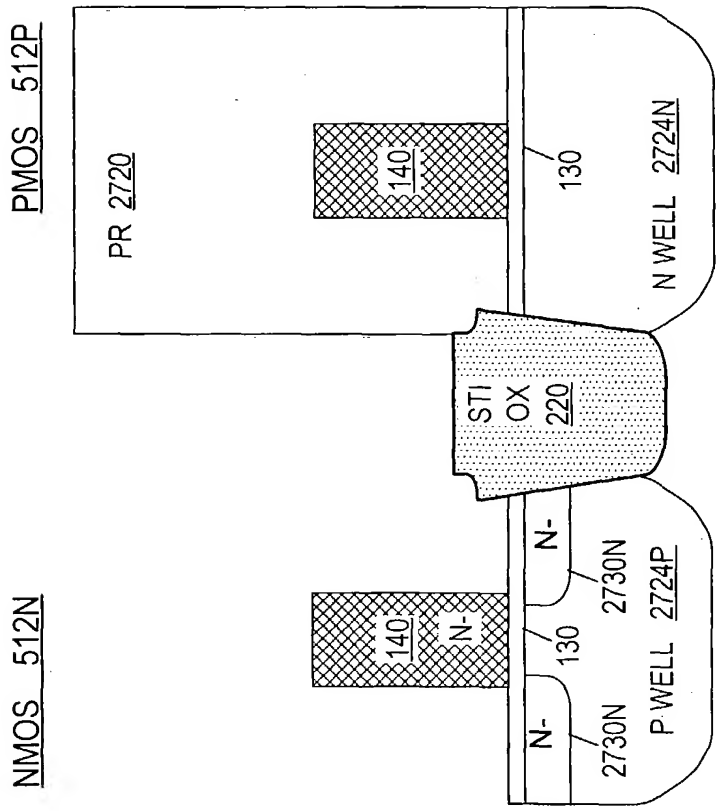


FIG. 27B
(PERIPHERY)

FIG. 29A
(X1-X1`)

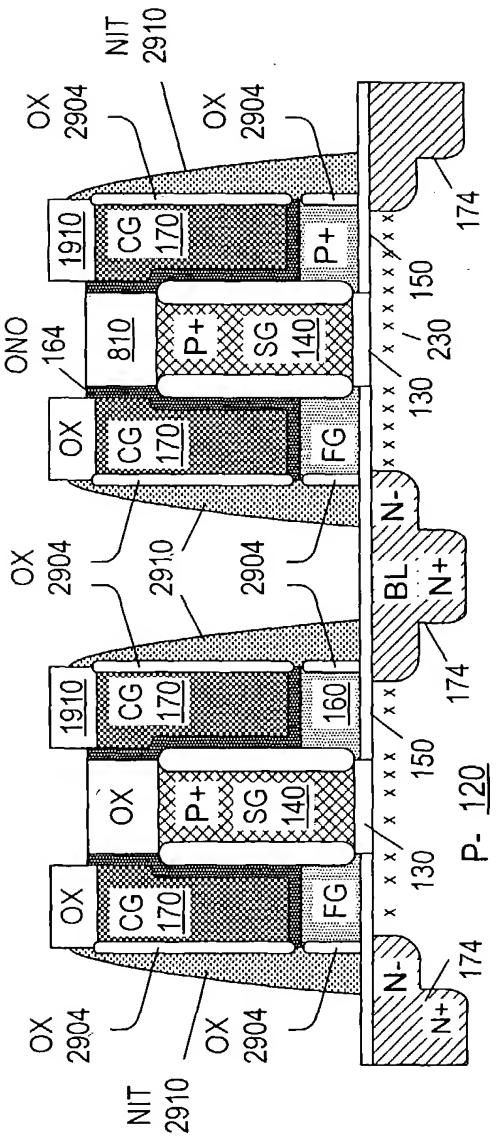
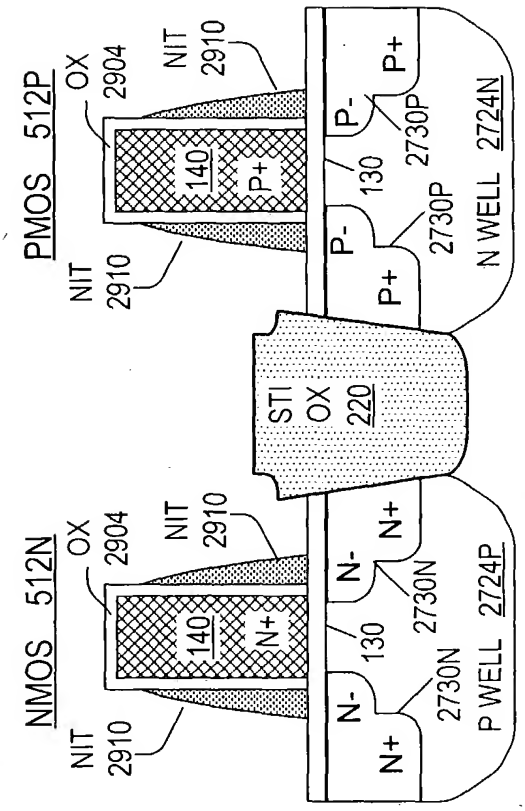


FIG. 29B
(PERIPHERY)



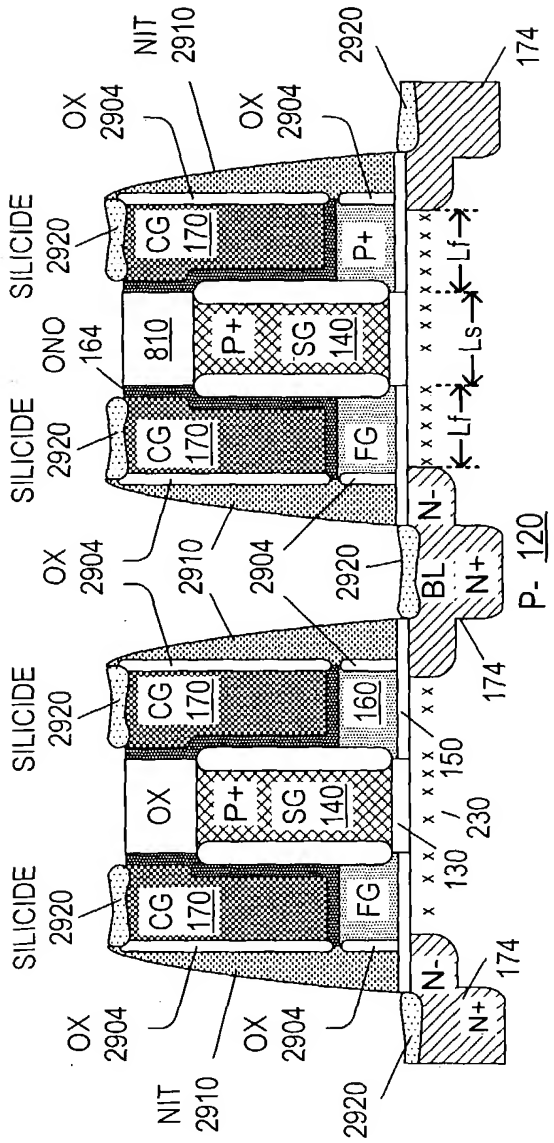


FIG. 30A
(X1-X1`)

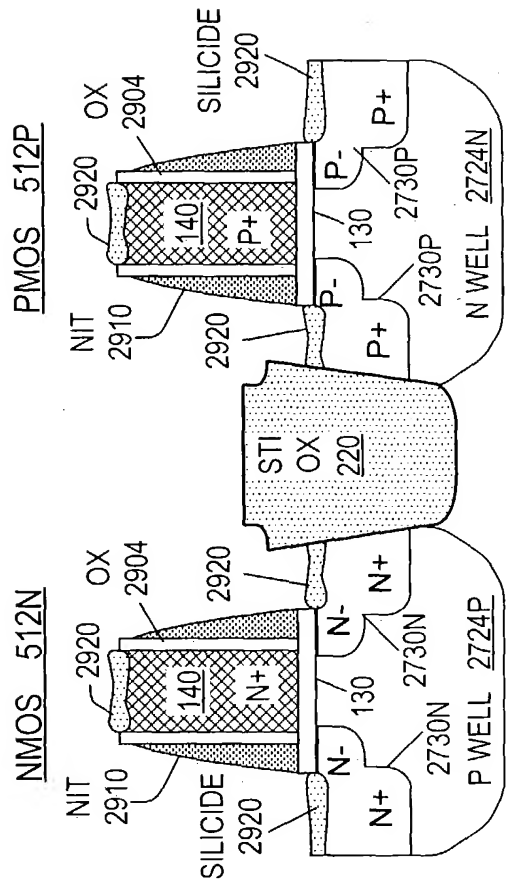


FIG. 30B
(PERIPHERY)

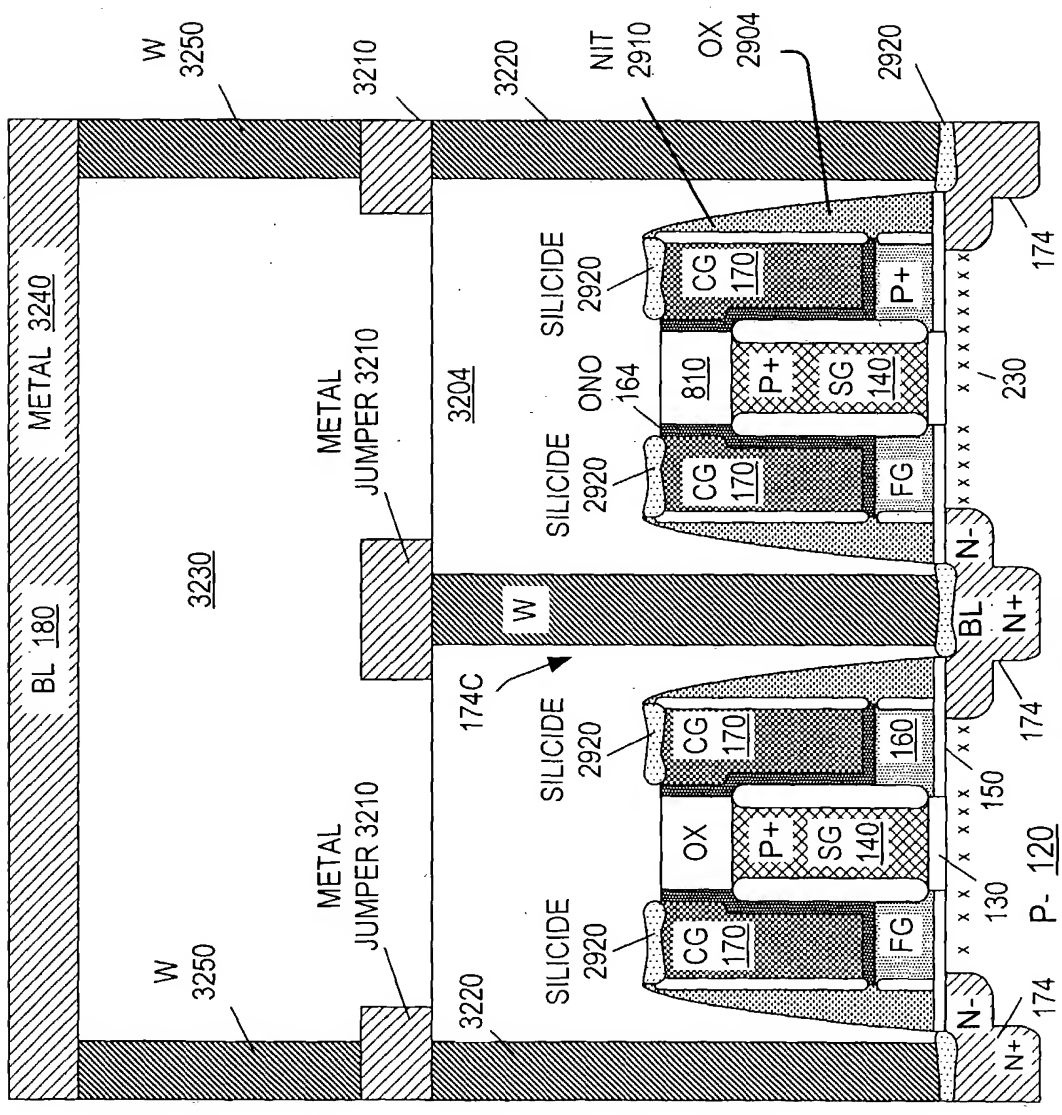


FIG. 31A (X1-X1')

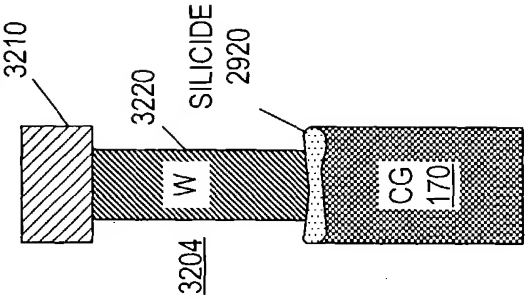


FIG. 31B (ARRAY GAP OR BOUNDARY)

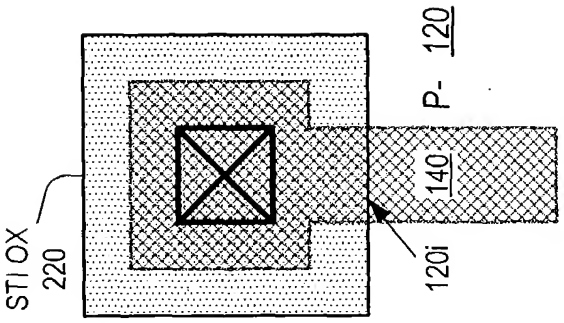


FIG. 31E
(PERIPHERY)

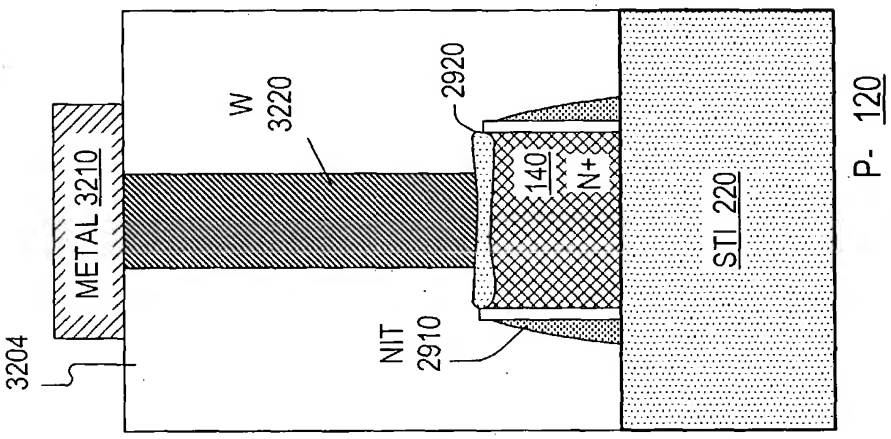


FIG. 31D
(PERIPHERY)

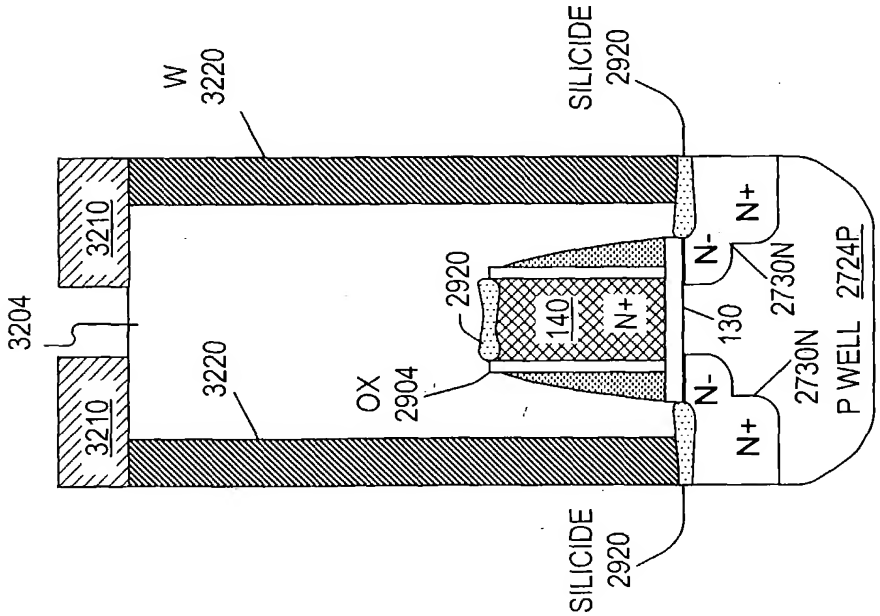


FIG. 31C
(PERIPHERY)

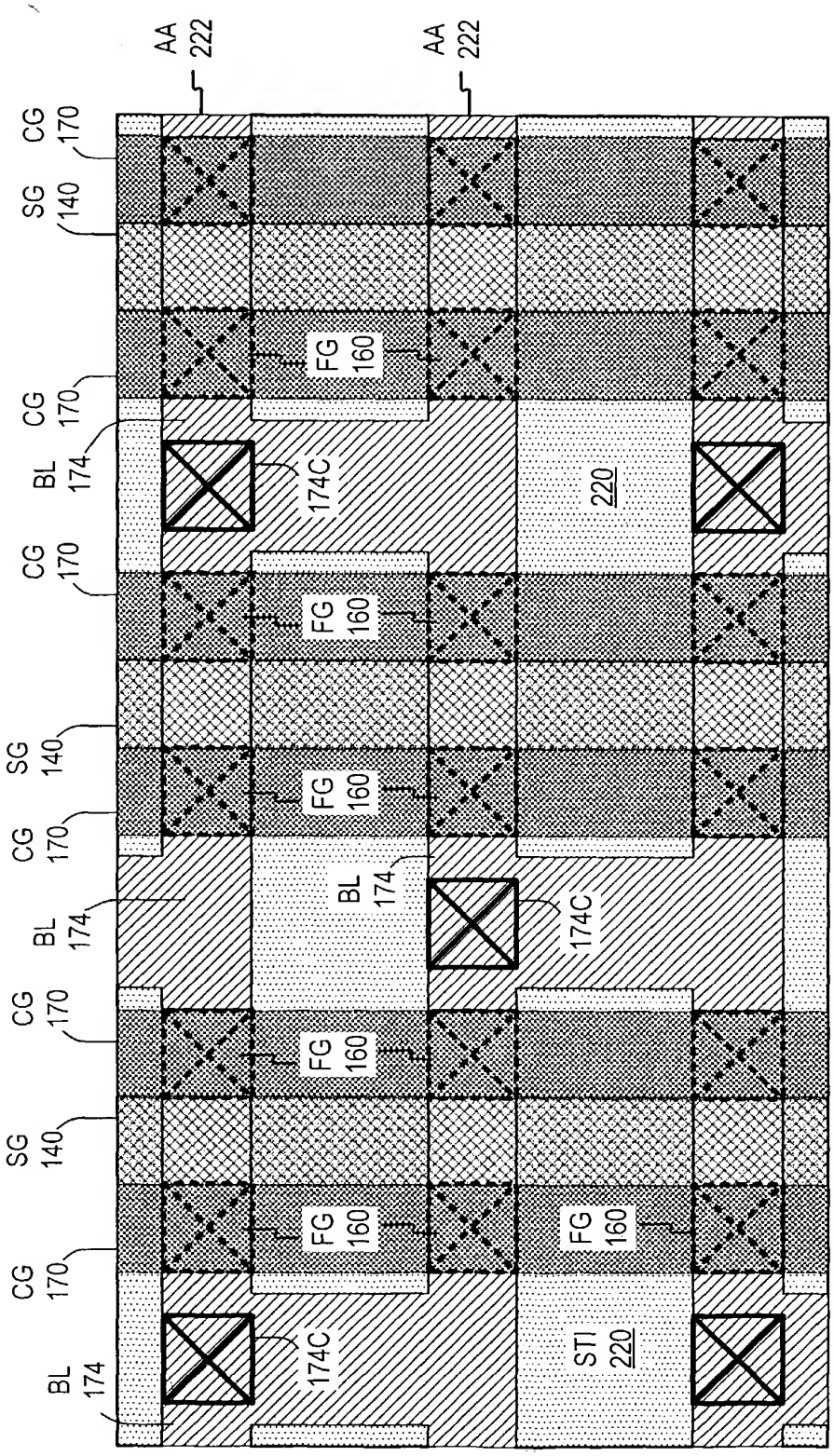


FIG. 32